

## FUEL INJECTION VALVE

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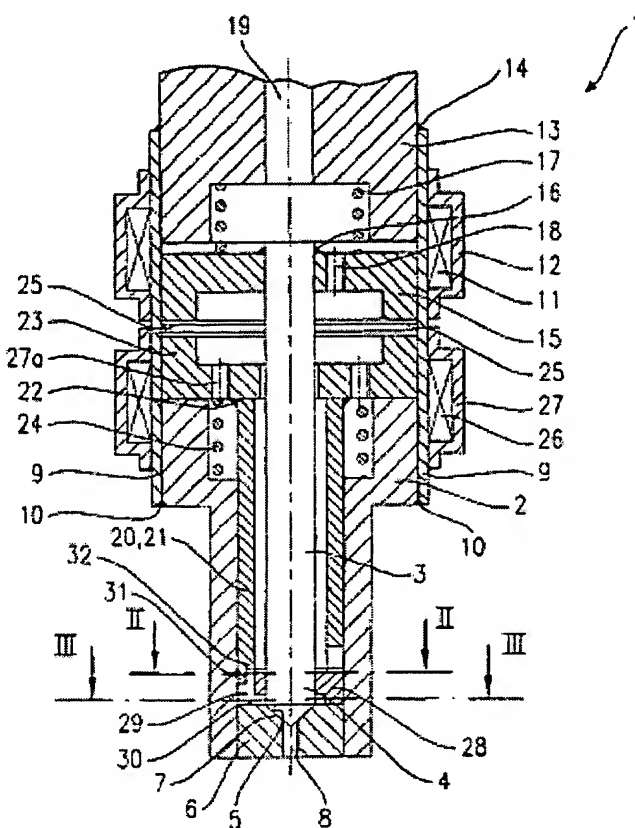
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### Abstract of WO0242635

The invention relates to a fuel injection valve (1), especially a fuel injection valve for fuel injection systems of internal combustion engines, comprising a first valve needle (3) co-operating with a first valve closing body (4). The first valve closing body (4) co-operates with a first valve seat surface (5) in a valve seat body (6), forming a tight seat (7). The fuel injection valve (1) has at least one injection opening (8) arranged downstream from the tight seat (7). A turbulence element (28) is arranged upstream from the tight seat (7) in the fuel feed. Said element comprises at least one turbulence channel (34) and at least one controlling turbulence channel (30) which lead into a turbulence chamber (35). A second valve needle (20) can cover the controlling feed openings (29) to the controlling turbulence channels (30).



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